




## 1999 Annual Report Review

Permittee: Andalex Resources, Inc.  
 Mine Name: Centennial Project  
 Permit Number: ACT/007/019  
 Date Report Received: May 2, 2000 (PEO)  
 Assigned Reviewers: Paul Baker, Peter Hess, Jim Smith

**Instructions:** The assigned staff will review their respective portions of the Annual report and provide a written determination (findings) on how the Mine has or has not met the permit requirements for reporting. If the report is deficient or remedial action is required to obtain compliance, this should be noted and the inspector notified. Once all reviewers have completed the report, they should initial it and a copy will be filed in the Mine Internal File.

### Assignments:

**Inspectors:** Review each cover sheet, AVS Legal/Financial, Mine Sequence Maps.  
**Hydrologists:** Review Water Monitoring Data, Precipitation and Climatological Data, Non-Coal Waste  
**Biologists:** Review Vegetation/Revegetation Success Monitoring, Raptor Survey  
**Engineers:** Review Subsidence Monitoring Data, Annual Impoundment Certification, Annual Overburden, Spoils, Refuse, Floor, etc.

Section to Review	Submitted	Yes	No	Findings
Cover Sheet		<u>X</u>	—	APEX Mine is not listed under MSHA ID numbers; cover sheet indicates that impoundment certifications are not included with annual report, but they are. There
AVS; Legal/ Financial Update		<u>X</u>	—	Submitted as Appendix C; copy of Utah Dept. of Commerce report of Andalex officers and directors as of March '99 included.

Mine Sequence Map	<u>X</u> —	4,040 feet of 730 foot LW face was extracted during '99. Some pillar reduction by CM was practiced in A gate pillars, other coal production in the Aberdeen came from gate road, bleeder or set up room development. Some pillar development occurred in the Pinnacle Mine during '99.
Water Monitoring Data	<u>X</u> —	Except for 2 <sup>nd</sup> and 3 <sup>rd</sup> quarters at S18-1, no flow, no access, or negligible flow (no sampling) is reported for spring and stream sites. 12-1 in Alrad Canyon is not reported at all. (Sites 17-1 and 17-2 are reported but are not identified in the MRP.) Well #1 is reported as sampled all four quarters but there is no report for the 2 <sup>nd</sup> quarter: this missing report was included in NOV 2000-46-1-1.
Precipitation & Climatological Data	— <u>X</u>	Centennial identifies collection of runoff samples as a priority, with rain gauge records to document runoff or lack of runoff. The MRP states precipitation records are available, but does not clearly commit to regularly report data.
Non-Coal Waste report	— —	NA
Subsidence Monitoring Data	<u>X</u> —	Submitted report contains info relative to 20 subsidence monitoring points from 3 control points. 4 new LW monitoring points were established to monitor 2000 subsidence. Mr. Bruce Ware indicates that neither vertical nor horizontal deflection has occurred at any of the points. The report is not certified by Mr. Ware.

Annual Impoundment Certification	<u>X</u> —	All quarterly inspections by Mike Glasson included with report; P.E. certified annual impoundment inspections and certifications by Dan Guy of Blackhawk Engineering are included; all ponds are maintained according to design and meet R645 requirements.
Annual Overburden, Spoil, Refuse, Floor, etc.	<u>X</u> —	Submission of geologic or geophysical is not required by the MRP. There are no refuse piles at the Centennial project.
Vegetation Data	— <u>X</u>	
Revegetation Success Monitoring	— <u>X</u>	Not required
Raptor Survey	— <u>X</u>	Not required. Andalex has been mining under the uppermost portions of Deadman Canyon and under the plateau where no raptor nests have been found and there is poor quality cliff habitat.
Other Information	— —	